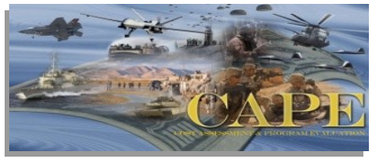
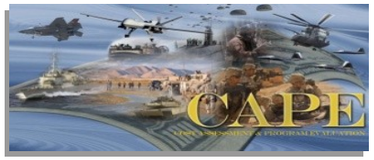
PSM Support to Cost Reporting



PSM Help Required

- DoDI 5000.02 requires cost reporting on ALL Sustainment Contracts over $50M
- IDIQ sustainment contracts report on each delivery order in order to capture contract total
- PSM Help Needed to:
  - Identify upcoming RFPs
  - Help ensure that CSDR reporting requirement is on contract
  - Help determine what data is collected
  - Participate in CWIPT and vote on CSDR plans
- PSMs use can contractor data actuals for future sustainment estimates, negotiations support etc.

CAPE/PSM Collaboration Benefits Both Organizations



Identify Upcoming RFPs

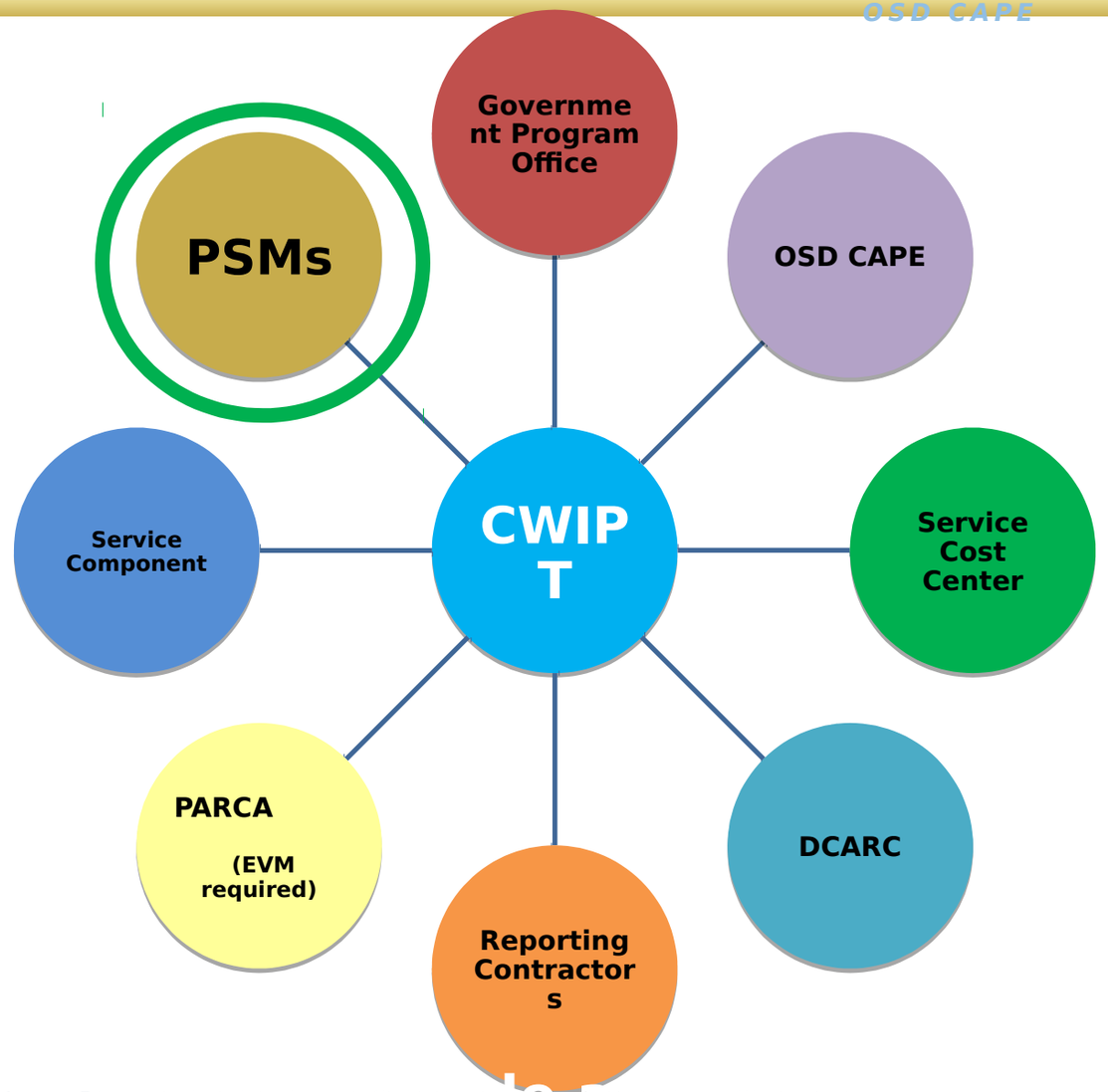
- The biggest hurdle to successful data collection is when a contract is awarded without CSDR requirements
- Modifying a contract to add CSDR reporting after award is difficult and adds additional cost
- When the approved CSDR plan is included in the RFP, the contractor can bid using the approved reporting structure and include the cost of the reports in their bid
- PSMs can work with CAPE to make sure CSDR reporting is included in RFPs

Help Determine What Data is Collected

- Current CSDR format is 1921 Contractor Cost Data Report with sustainment reporting structure, and 1921-5 Functional Cost Hour Report
- 1921 reporting structure aligns with CAPE O&S Cost Estimating Guide, with some additional detail under Sustaining Engineering and Program Management
- 1921-T Technical Data Report is being developed with LM&R inputs
- As we transition to Flex Files, PSMs can help identify data tags and fields needed

Cost Working Integrated Product Team (CWIPT)

Participants	Role in PPM	Role
Service Component POC	Program Collaborator	Initiate CSDR process at Program Office; identify all RFP's going out
Program Office	Program Collaborator	Help develop initial plans; make DCARC/Service Component aware of all upcoming efforts
OSD CAPE	Program Collaborator	Provide input to plan to ensure cost needs are being met; provide final approval of plans
Service Cost Center POC	Program Collaborator	Help develop initial plan; provide input to plan to ensure cost needs are being met; provide initial approval
DCARC	DCARC Reviewer	Manage the entire CSDR planning process; ensure all rules and regulations are being followed
Reporting Contractors	N/A	If sole source, provide input and help government understand processes and procedures
PARCA	Program Collaborator	Provide input to ensure cost reporting structure and WBS are consistent where needed
PSMs (NEW)	Program Collaborator	Identify all RFPs going out, provide initial approval



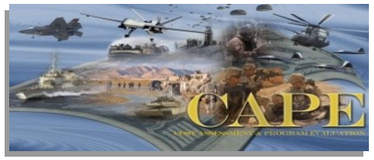
CWIPT is responsible for ensuring CSDR plans provide accurate, timely data in order to support cost estimating needs for the Department of Defense

Contractor Sustainment Data Useful to PSMs

- PSMs can request access to CADE
- Locate historical data for use in Business Case Analyses, cost estimates, sufficiency reviews
- Use data to determine effectiveness of various contractor logistics support strategies (PBL vs traditional)

CAPE and PSMs Working Together = Better Buying Power

BACKUP



2014 OSD CAPE O&S Cost Estimating Structure

1.0 Unit-Level Manpower
1.1 Operations
1.2 Unit-Level Maintenance
1.3 Other Unit-Level
2.0 Unit Operations
2.1 Operating Material
2.2 Support Services
2.3 Temporary Duty
2.4 Transportation
3.0 Maintenance
3.1 Consumable Materials and Repair Parts
3.2 Depot Level Reparables
3.3 Intermediate Maintenance (External to Unit-Level)
3.4 Depot Maintenance
3.5 Other Maintenance
4.0 Sustaining Support
4.1 System Specific Training
4.2 Support Equipment Replacement and Repair
4.3 Sustaining/Systems Engineering
4.4 Program Management
4.5 Information Systems
4.6 Data and Technical Publications
4.7 Simulator Operations and Repair
4.8 Other Sustaining Support

5.0 Continuing System Improvements
5.1 Hardware Modifications
5.2 Software Maintenance
6.0 Indirect Support
6.1 Installation Support
6.2 Personnel Support
6.2.1 Personnel Administration
6.2.2 Personnel Benefits
6.2.3 Medical Support
6.3 General Training and Education
6.3.1 Recruit & Initial Officer Training
6.3.2 General Skill Training
6.3.3 Professional Military Education

Released in March 2014
Services can add levels of detail to structure as necessary
O&S does not include Disposal

Current Reports: 1921 with Sustainment Reporting Structure

WBS ELEMENT CODE A	WBS REPORTING ELEMENTS B	NUMBER OF UNITS TO DATE C	COSTS INCURRED TO DATE (thousands of U.S. Dollars) NONRECURRING D	RECURRING E	TOTAL F	NUMBER OF UNITS AT COMPLETION G	COSTS INCURRED AT COMPLETION (thousands of U.S. Dollars) NONRECURRING H	RECURRING I	TOTAL J
1.0	Sustainment Effort								
1.1	Unit-Level Manpower (System Level Cost Only)								
1.1.1	Operations Manpower								
1.1.2	Unit-Level Maintenance Manpower								
1.1.3	Other Unit-Level Manpower (Specify in Remarks)								
1.2	Unit Operations (System Level Cost Only)								
1.2.1	Operating Material								
1.2.1.1	Energy (Fuel; Petroleum, Oil, And Lubricants (POL); Electricity)								
1.2.1.2	Training Munitions/Expendable Stores								
1.2.1.3	Other Operating Material (Specify in Remarks)								
1.2.2	Support Services (Including Non-Maintenance FSRs)								
1.2.3	Temporary Duty								
1.3	Maintenance								
1.3.1	Overhaul of End Items								
1.3.1.1	Scheduled Overhaul								
1.3.1.1.1	Vehicle Overhaul								
1.3.1.1.2	Propulsion Overhaul								
1.3.1.1.3	Other Overhaul								
1.3.1.2	Unscheduled Overhaul								
1.3.1.2.1	Vehicle Overhaul								
1.3.1.2.2	Propulsion Overhaul								
1.3.1.2.3	Other Overhaul								
1.3.2	Depot Level Reparables (DLR) / Repair Of Reparables (ROR)								
1.3.3	Consumables and Repair Parts								
1.3.4	Other Maintenance Services (Including FSRs) (Explain in Remarks								
1.3.4.1	O-Level Maitnenance Services								
1.3.4.2	I-Level Maitnenance Services								
1.3.4.3	Depot Level Maitnenance Services								
1.3.5	Packing, Handling, Shipping and Transportation								
1.4	Sustaining Support (System Level Cost Only)								
1.4.1	System Specific Training								
1.4.1.1	Operator Training								
1.4.1.2	Maintenance Training								
1.4.1.3	Other Training								
1.4.2	Support Equipment Replacement								
1.4.3	Sustaining/Systems Engineering								
1.4.3.1	Reliability and Maintainability Engineering								
1.4.3.2	Logistics Engineering (LSA Updates, Logistics Analysis)								
1.4.3.3	Supply Analysis Efforts								
1.4.3.4	Safety/Human Systems Integration Engineering								
1.4.3.5	Affordability Engineering								
1.4.3.6	Obsolescence Engineering								
1.4.3.7	Availability Management								
1.4.3.8	Product Engineering Support								
1.4.3.9	Information Assurance								
1.4.3.10	Configuration Management								
1.4.3.11	System Performance Analysis								
1.4.3.12	Supply								
1.4.3.13	Data Analysis								
1.4.3.14	Physical Security								
1.4.4	Program Management								
1.4.4.1	Contractor Logistics Support (CLS) Management								
1.4.4.2	CLS Supply Management								
1.4.4.3	Financial/Schedule Planning and Reporting								
1.4.4.4	Transition to Lead Service								
1.4.4.5	Quality Assurance (Program Level)								
1.4.4.6	Administrative Security								
1.4.4.7	Transition to Performance Based Logistics (PbI)								
1.4.4.8	Risk Mitigation								
1.4.5	Information Systems								
1.4.5.1	Tech Refresh								
1.4.5.2	License Fees								
1.4.5.3	Maintenance								
1.4.6	Data and Technical Publications								
1.4.7	Simulator Operations								
1.4.7.1	Simulator Operations Hardware Support								
1.4.7.2	Simulator Operations Manpower								
1.4.7.3	Simulator Tech Refresh								
1.4.8	Other Sustaining Support (Specify in Remarks)								
1.5	Continuing System Improvements								
1.5.1	Hardware Modifications or Modernization								
1.5.1.1	Mod Kit Development								
1.5.1.2	Mod Kit Procurement								
1.5.1.3	Mod Kit Initial Spares								
1.5.1.4	Mod Kit Installation								
1.5.2	Software Maintenance or Modification								
1.6	Installation and Personnel Support (System Level Only)								
	Subtotal Cost								
	Reporting Contractor G&A								
	Reporting Contractor Undistributed Budget								
	Reporting Contractor Management Reserve								
	Reporting Contractor FCCM								
	Total Cost								
	Reporting Contractor Profit/Loss or Fee								
	Total Price								
22. REMARKS									

Sustainment Cost Element Structure

Summary Elements

Current Reports Example – 1921-5

OSD CAPE

SECURITY CLASSIFICATION: **Unclassified**

SUSTAINMENT FUNCTIONAL COST-HOUR REPORT

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 16 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE ABOVE ORGANIZATION.**

1. MAJOR PROGRAM a. NAME:		**2. PRIME MISSION PRODUCT**	**3. REPORTING ORGANIZATION TYPE**	**4. NAME/ADDRESS** (Include Zip Code)	**5. APPROVED PLAN NUMBER**
b. PHASE/MILESTONE ☐ Pre-A ☐ B ☐ C-FRP ☐ A ☐ C-LRIP ☐ O&S			☐ PRIME / ASSOCIATE CONTRACTOR ☐ DIRECT-REPORTING SUBCONTRACTOR ☐ GOVERNMENT	a. PERFORMING ORGANIZATION / b. DIVISION	
6. CUSTOMER (Direct-Reporting Subcontractor Use Only)		**7. TYPE ACTION** a. CONTRACT NO.: / c. SOLICITATION NO.: / e. TASK ORDER/DELIVERY ORDER/LOT NO.: b. LATEST MODIFICATION: / d. NAME:			
8. PERIOD OF PERFORMANCE a. START DATE *(YYYYMMDD)* : b. END DATE *(YYYYMMDD)* :		**9. REPORT CYCLE** ☐ INITIAL ☐ INTERIM ☐ FINAL	**10. SUBMISSION NUMBER**	**11. RESUBMISSION NUMBER**	**12. REPORT AS OF** (YYYYMMDD)
13. NAME (Last, First, Middle Initial)	**14. DEPARTMENT**	**15. TELEPHONE NO.** (Include Area Code)	**16. EMAIL ADDRESS**		**17. DATE PREPARED** (YYYYMMDD)
18. WBS ELEMENT CODE	**19. WBS REPORTING ELEMENT**	**20. NUMBER OF UNITS** a. TO DATE / b. AT COMPLETION		**21. APPROPRIATION** ☐ RDT&E ☐ PROCUREMENT ☐ O&M	

SUSTAINMENT FUNCTIONAL DATA ELEMENTS	**COSTS AND HOURS INCURRED TO DATE** (thousands of U.S. Dollars or thousands of hours)			**COSTS AND HOURS INCURRED AT COMPLETION** (thousands of U.S. Dollars or thousands of hours)		
	A. NONRECURRING	**B. RECURRING**	**C. TOTAL**	**D. NONRECURRING**	**E. RECURRING**	**F.TOTAL**
ENGINEERING						
(1) DIRECT ENGINEERING LABOR HOURS						
(2) DIRECT ENGINEERING LABOR DOLLARS						
(3) ENGINEERING OVERHEAD DOLLARS						
(4) TOTAL ENGINEERING DOLLARS						
PROGRAM MANAGEMENT						
(5) DIRECT PROGRAM MANAGEMENT LABOR HOURS						
(6) DIRECT PROGRAM MANAGEMENT LABOR DOLLARS						
(7) PROGRAM MANAGEMENT OVERHEAD DOLLARS						
(8) TOTAL PROGRAM MANAGMENT DOLLARS						
MAINTENANCE OPERATIONS						
(9) TOUCH MAINTENANCE LABOR HOURS						
(10) TOUCH MAINTENANCE LABOR DOLLARS						
(11) TOUCH MAINTENANCE OVERHEAD DOLLARS						
(12) SUPPORT MAINTENANCE LABOR HOURS						
(13) SUPPORT MAINTENANCE LABOR DOLLARS						
(14) SUPPORT MAINTENANCE OVERHEAD DOLLARS						
(15) TOTAL MAINTENANCE OPERATIONS DOLLARS						
MATERIALS						
(16) RAW MATERIAL DOLLARS						
(17) PURCHASED PARTS DOLLARS						
(18) PURCHASED EQUIPMENT DOLLARS						
(19) MATERIAL HANDLING/OVERHEAD DOLLARS						
(20) TOTAL DIRECT-REPORTING SUBCONTRACTOR DOLLARS						
(21) TOTAL MATERIAL DOLLARS						
OTHER COSTS						
(22) OTHER COSTS NOT SHOWN ELSEWHERE *(Specify in Remarks)*						
SUMMARY						
(23) TOTAL COST *(Direct and Overhead)*						

22. REMARKS

1921-1 to 1921-5 Comparison

OSD CAPE

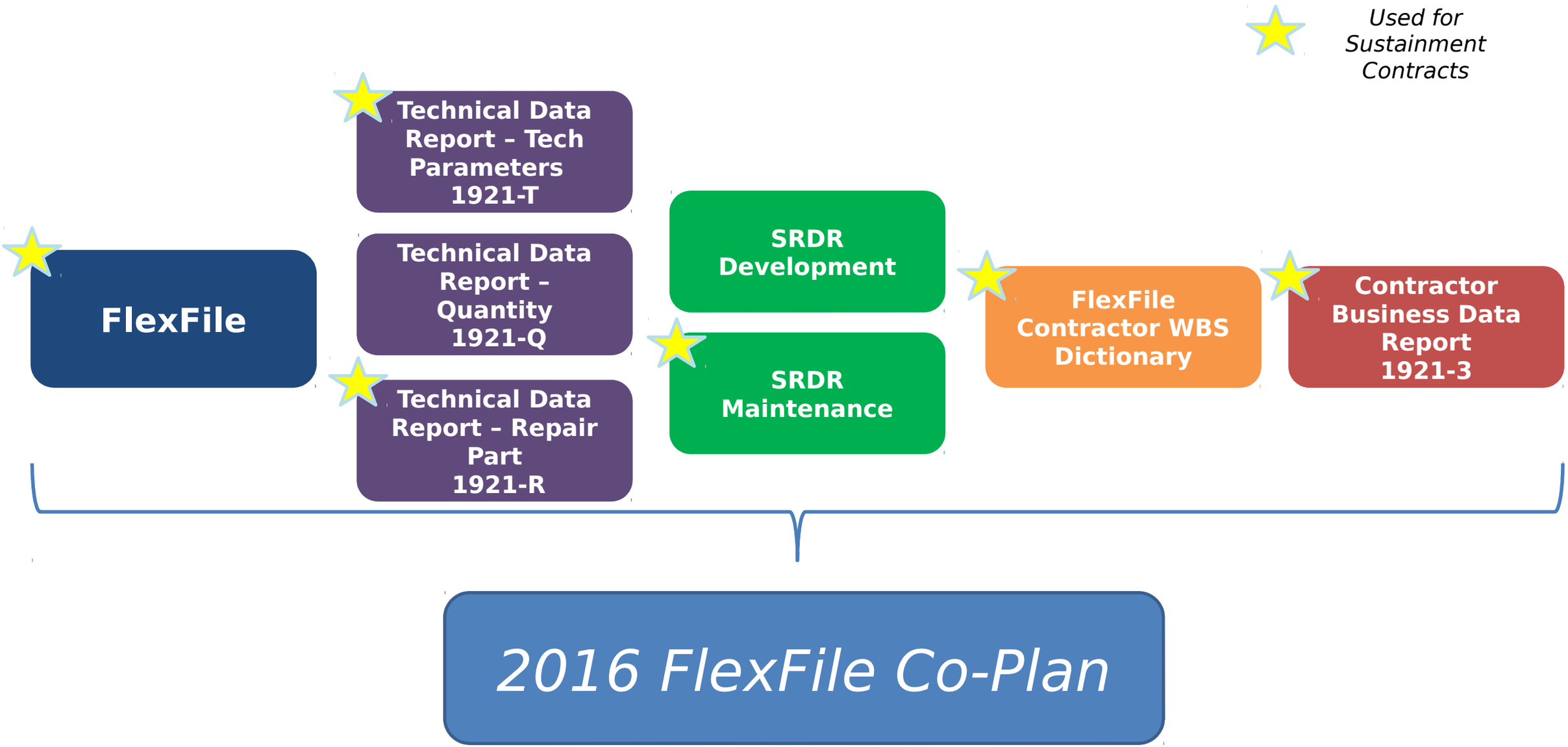
MANUFACTURING

1921-1 Format
ENGINEERING
(1) DIRECT ENGINEERING LABOR HOURS
(2) DIRECT ENGINEERING LABOR DOLLARS
(3) ENGINEERING OVERHEAD DOLLARS
(4) TOTAL ENGINEERING DOLLARS
MANUFACTURING OPERATIONS
(5) DIRECT TOOLING LABOR HOURS
(6) DIRECT TOOLING LABOR DOLLARS
(7) DIRECT TOOLING & EQUIPMENT DOLLARS
(8) DIRECT QUALITY CONTROL LABOR HOURS
(9) DIRECT QUALITY CONTROL LABOR DOLLARS
(10) DIRECT MANUFACTURING LABOR HOURS
(11) DIRECT MANUFACTURING LABOR DOLLARS
(12) MANUFACTURING OPERATIONS OVERHEAD DOLLARS
(13) TOTAL MANUFACTURING OPERATIONS DOLLARS
MATERIALS
(14) RAW MATERIAL DOLLARS
(15) PURCHASED PARTS DOLLARS
(16) PURCHASED EQUIPMENT DOLLARS
(17) MATERIAL HANDLING OVERHEAD DOLLARS
(18) TOTAL DIRECT-REPORTING SUBCONTRACTOR DOLLARS
(19) TOTAL MATERIAL DOLLARS
OTHER COSTS
(20) OTHER COSTS NOT SHOWN ELSEWHERE *(Specify in Remarks)*
SUMMARY
(21) TOTAL COST *(Direct and Overhead)*

SUSTAINMENT

1921-5 Format
ENGINEERING
(1) DIRECT ENGINEERING LABOR HOURS
(2) DIRECT ENGINEERING LABOR DOLLARS
(3) ENGINEERING OVERHEAD DOLLARS
(4) TOTAL ENGINEERING DOLLARS
PROGRAM MANAGEMENT
(5) DIRECT PROGRAM MANAGEMENT LABOR HOURS
(6) DIRECT PROGRAM MANAGEMENT LABOR DOLLARS
(7) PROGRAM MANAGEMENT OVERHEAD DOLLARS
(8) TOTAL PROGRAM MANAGEMENT DOLLARS
MAINTENANCE OPERATIONS
(9) TOUCH MAINTENANCE LABOR HOURS
(10) TOUCH MAINTENANCE LABOR DOLLARS
(11)TOUCH MAINTENANCE OVERHEAD DOLLARS
(12) SUPPORT MAINTENANCE LABOR HOURS
(13) SUPPORT MAINTENANCE LABOR DOLLARS
(14) SUPPORT MAINTENANCE OVERHEAD DOLLARS
(15) TOTAL MAINTENANCE OPERATIONS DOLLARS
MATERIALS
(16) RAW MATERIAL DOLLARS
(17) PURCHASED PARTS DOLLARS
(18) PURCHASED EQUIPMENT DOLLARS
(19) MATERIAL HANDLING OVERHEAD DOLLARS
(20) TOTAL DIRECT-REPORTING SUBCONTRACTOR DOLLARS
(21) TOTAL MATERIAL DOLLARS
OTHER COSTS
(22) OTHER COSTS NOT SHOWN ELSEWHERE *(Specify in Remarks)*
SUMMARY
(23) TOTAL COST *(Direct and Overhead)*

2016 FlexFile Co-Plan & Requirements


Used for Sustainment Contracts
FlexFile
Technical Data Report – Tech Parameters 1921-T
Technical Data Report – Quantity 1921-Q
Technical Data Report – Repair Part 1921-R
SRDR Development
SRDR Maintenance
FlexFile Contractor WBS Dictionary
Contractor Business Data Report 1921-3
2016 FlexFile Co-Plan

1921-T Reporting Requirements

TECHNICAL DATA REPORT

The public reporting burden for this collection of information is estimated to average 8 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Executive Services Directorate, Information Management Division, 4800 Mark Center Drive, Alexandria VA 22350-3100 (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

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TECHNICAL PARAMETER DATA TABLE

PART ID/KEY	ITEM TYPE	TECHNCIAL PARAMETER NAME	GROUP KEY	VALUE	MARGIN	UNIT OF MEASURE	UNIT OF MEASURE QUALIFIER	ESTIMATE/ ACTUAL	VALUE SOURCE	COMMENTS
A	B	C	D	E	F	G	H	I	J	K

Part ID for Unique/Common Identification of Parts per WBS Element (Part ID Mapping Table)

Item Type and Technical Parameter Name, as required by the Approved Plan

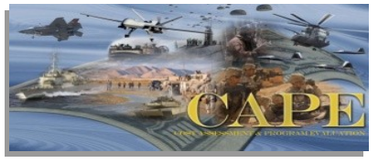
Group Key to cluster related parts, Value by part, and Margin if applicable

Unit of Measure and Qualifier, as required by the Approved Plan

For each reported Value, identify as Estimate/Actual and contractor's Value Source

Contractor Comments by Part

DD FORM 1921-T, Part C (Technical Parameter Data Table), FEB 2016



O&S Technical Input Examples

1. ITEM TYPE	a. PARAMETER NAME	b. UNIT OF MEASURE	c. UNIT OF MEASURE QUALIFER	d. COMMENTS
Depot Maintenance	Scheduled Depot Events	Quantity		
Depot Maintenance	Scheduled Maintenance Cycle	Quantity in Months, Hours, or Miles (specify)		
Depot Maintenance	Unscheduled Depot Events	Quantity		
Energy	Energy Consumption	Quantity in Gallons, Barrels or Kilowatts (specify)		
Hardware Modifications	Hardware Modification Cycle	Quantity in Months, Hours, or Miles (specify)		
Hardware Modifications	Hardware Modification Events	Quantity		
Hardware Modifications	Number of Hardware Modification - Kits Procured	Quantity		
Information Systems	Data Storage	Quantity in Terabytes		
Information Systems	IS Tech Refreshes	Quantity		
Information Systems	Number of Concurrent Users	Quantity		
Information Systems	Number of Sites	Quantity		
Information Systems	Number of Users	Quantity		
Information Systems	System Throughput	Quantity in Transactions		
Maintenance	Number of Consumable Parts Used	Quantity		
Maintenance	Number of DLRs Replaced	Quantity		
Maintenance	Number of Failures - Design Controllable	Quantity		
Maintenance	Number of Failures - Induced	Quantity		
Maintenance	Number of Repair Actions	Quantity		
Maintenance Inspections	Visual Inspections, Surveillance	Percentage		
Manpower	Maintainers Assigned - FTEs	FTEs		
Manpower	Operators Assigned - FTEs	FTEs		
Manpower	Other Unit-Level Personnel Assigned - FTEs	FTEs		
Other Sustaining Support	Number of Firings, Aging Program	Quantity		
Other Sustaining Support	Number of Re-preservations	Quantity		
Program Management	Program Management - FTEs	FTEs		
Simulators	Simulator Failures	Quantity		
Simulators	Simulator Hardware Updates	Quantity		
Simulators	Simulator Repairs	Quantity		
Simulators	Simulator Sites	Quantity		
Simulators	Simulator Software Updates	Quantity		
Simulators	Simulator Training Hours	Quantity		
Simulators	Simulator Units	Quantity		
Software Support	Software Changes	Quantity		
Software Support	Software Support - FTEs	FTEs		

1921-R Maintenance Report

MAINTENANCE REPORT

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MAINTENANCE EVENT DATA

REPAIR EVENT NUMBER	SYSTEM/END ITEM DATA				FAILURE DATA				REPAIR DATA							COMMENTS
	SYSTEM/END ITEM or DLR NIIN	SYSTEM/END ITEM SERIAL NUMBER	MODEL	VARIANT	NON-MISSION CAPABLE	SCHEDULED EVENT	FAILURE CODE	FAILURE CODE DESCRIPTION	START DATE	COMPLETION DATE	MAINTENANCE TYPE	MAINTENANCE LEVEL	MAN-HOURS	LABOR COST	MATERIAL COST	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
Repair Event ID	End Item Units by Model/Variant				Failure Data				Repair Data							Contractor Comments

DD FORM 1921-R, Part B (Repair Event Data), MARCH 2016

1921-R Repair Parts Report

REPAIR PART REPORT

The public reporting burden for this collection of information is estimated to average 8 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Executive Services Directorate, Information Management Division, 4800 Mark Center Drive, Alexandria VA 22350-3100 (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE ABOVE ORGANIZATION.

REPAIR EVENT NUMBER	REPAIR ACTION CODE	REPAIR ACTION DESCRIPTION	REPAIR PART DATA						COMMENTS
			REPAIR PART NAME	REPAIR PART QUANTITY	REPAIR PART NSN (OR NIIN)	REPAIR PART LCN (WUC)	REPAIR PART FWG	REPAIR PART UNIT PRICE	
A	B	C	D	E	F	G	H	I	J

Repair Event Description

Repair Part Data

Contractor Comments

DD FORM 1921-R, Part C (Repair Part Data), MARCH 2016